

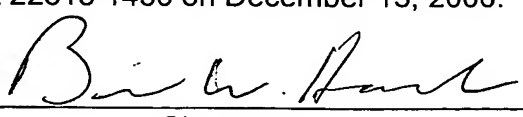
IFW 1755



**Certification under 37 CFR 1.8(a)**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with The United States Postal Service with sufficient postage as first class mail in an envelope addressed to THE COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450 on December 13, 2006.

Brian W. Hameder (Reg. No. 45,613)  
Name

  
Signature

DOCKET: CU-5016

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Katsuya Teshima

Serial No.: 10/589,546

Group Art Unit:

Filed: August 16, 2006

Examiner:

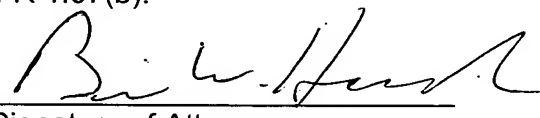
For: CORUNDUM CRYSTAL FORMED BODY

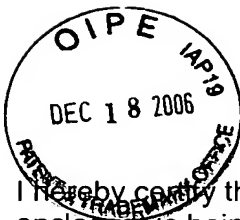
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**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT WITHIN THREE MONTHS OF FILING OR BEFORE MAILING OF FIRST OFFICE ACTION**

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of the first Office Action on the merits, whichever event occurs last. 37 CFR 1.97(b).

Date: December 13, 2006

  
Signature of Attorney  
Brian W. Hameder  
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Chicago Illinois 60604  
Tel. No. (312) 427-1300  
Reg. No. 45613



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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with The United States Postal Service with sufficient postage as first class mail in an envelope addressed to THE COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450 on December 13, 2006.

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Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Applicants submit herewith patents, publications or other information of which the applicants are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose under 37 CFR 1.56.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

The references submitted herein are listed on PTO-1449 form (modified) enclosed herewith. A copy of each reference listed is being furnished except any duplicate or cumulative patents or publications specified otherwise. Also, if the present application was filed after June 30, 2003, copies of US patents or published applications are not submitted in accordance with the USPTO Rule changes.

A translation of any foreign language reference, if any, is indicated in PTO-1449 form and being submitted herein if it is readily available. Otherwise it should be construed that such translation is not readily available.

Additional comments, if any, on the relevance of each reference listed are provided as follows:

**Also submitted herein is a copy of the PCT Search Report which satisfies the requirement for a translation or concise explanation of any non-English reference cited therein, as provided in MPEP §609 A(3).**

The Statement is made on the basis of the information:

|                   |  |
|-------------------|--|
| <u>          </u> | supplied by the inventor(s);   |
| <u>  X  </u>      | supplied by an individual associated with the filing and prosecution |
| <u>          </u> | of this application (37 CFR 1.56(c)); or                             |
| <u>          </u> | in the attorney's file.  |

Respectfully submitted,

Date: December 13, 2006



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Form PTO-1449 (Modified)

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|---|--------------------------------|--------------------------|
| FORM PTO-1449<br><br>INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br><br>(37 CFR 1.98(b)) | ATTY. DOCKET NO.<br>CU-5016    | SERIAL NO.<br>10/589,546 |
|   | APPLICANT<br>Katsuya Teshima   |                          |
|   | FILING DATE<br>August 16, 2006 | GROUP                    |

U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | PATENT<br>DOCUMENT | ISSUE/PUB<br>DATE | PATENTEE | CLASS | SUB-<br>CLASS | FILING DATE |
|---------------------|--------------------|-------------------|----------|-------|---------------|-------------|
|                     |                    |                   |          |       |               |             |
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | PUBL. DATE | COUNTRY OR<br>PATENT OFFICE | CLASS | SUB-<br>CLASS | TRANSLATION |    |
|---------------------|--------------------|------------|-----------------------------|-------|---------------|-------------|----|
|                     |                    |            |                             |       |               | YES         | NO |
|                     | JP10-007450        | 01/13/98   | Japan                       |       |               |             |    |
|                     | JP40-026525        | 11/17/65   | Japan                       |       |               |             |    |
|                     | JP63-017297        | 01/25/88   | Japan                       |       |               |             |    |
|                     | JP07-277893        | 10/24/95   | Japan                       |       |               |             |    |
|                     | JP06-199597        | 07/19/94   | Japan                       |       |               |             |    |
|                     | JP07-187760        | 07/25/95   | Japan                       |       |               |             |    |
|                     | JP52-117896        | 10/03/77   | Japan                       |       |               |             |    |

OTHER DOCUMENTS (Including Author, Title, Date, Place of publication)

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|--|---|
|  | Oishi, S., et al, "Growth of emerald crystal by the evaporation of molybdenum trioxide flux," <i>British Ceramic Transactions</i> , Vol.92, No.5, pp. 214-16, 1993. |
|  | Oishi, S., et al, "Flux growth of hexagonal bipyramidal ruby crystals," <i>Journal of the American Chemical Society</i> , Vol.126, No.15, pp. 4768-69, 2004.        |
|  | Elwell, D., et al, "Crystal Growth from High-Temperature Solutions," Academic Press, Inc., Chap. 10, pp. 559-61, 1975.  |
|  | Elwell D., "Ruby, Sapphire and Spinel," <i>Man-Made Gemstones</i> , Chap. 2, pp 31-57, 1979.  |
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(Form PTO-1449)